

Sigan L. Hartley

100 Women Distinguished Chair in Human Ecology
 Professor| Human Development and Family Studies|
 School of Human Ecology| Waisman Center Investigator| UW-Madison|
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FORMAL EDUCATION

2008-2010	Postdoctoral Training	Waisman Center, UW-Madison
2004-2007	Ph.D., Clinical	University of Wyoming
2006-2007	Pre-Doctoral Internship	Oregon Health and Science University
2002-2004	M.S., Clinical	University of Wyoming
1998-2002	B.A.	UW-Madison <u>Majors:</u> Psychology and Sociology

POSITIONS HELD

2022-present	Full Professor	School of Human Ecology, UW-Madison
2018-present	Associate Director of Training	Waisman Center, UW-Madison
2017-present	Director	Postdoctoral Training Program, Waisman Center, UW-Madison
2019-present	Director of Graduate Studies	School of Human Ecology, UW-Madison
2015-present	Associate Professor	School of Human Ecology, Department of Human Development and Family Studies, UW-Madison
	Faculty	Leadership in Neurodevelopmental Disorders program (LEND), Waisman Center, UW-Madison (since 2012)
	Investigator	Waisman Center, UW-Madison (since 2010)
	Faculty Affiliate	Center for Demography of Health and Aging, UW-Madison (since 2021)
	Faculty Affiliate	Center for Child and Family Well-Being, School of Human Ecology, UW-Madison (2013-2020)
	Faculty Affiliate	Population Health Science, School of Medicine and Public Health, UW-Madison (2014)
2010- 2015	Assistant Professor	Department of Human Development and Family Studies, School of Human Ecology, UW-Madison
2007-2008	Research Scientist	University of Wyoming, College of Arts and Sciences, Department of Psychology
2007-2008	Instructor	University of Wyoming, Outreach School
2004-2006	Editorial Assistant	American Journal on Intellectual and Developmental Disorders (AJIDD), University of Wyoming
2002-2004	Research/ Teaching Assistant	Psychology Department, College of Arts and Sciences, University of Wyoming, College of Arts and Sciences, Department of Psychology

SPECIAL POSITIONS, HONORS, AND AWARDS

- 100 Women Distinguished Chair in Human Ecology, UW-Madison (2021-present)
- Vice Chair, International Society to Advance Alzheimer's Research and Treatment Program Professional Interest Area Down Syndrome (2022-present)

- President, American Psychological Association Division 33 (2019-2020)
- H.I. Romnes Faculty Fellowship, UW-Madison (2019)
- School of Human Ecology Midcareer Research Award (2019)
- Fellow, American Psychological Association Division 33 (2017)
- 100 Women Chair in Human Ecology, UW-Madison (2016- 2021)
- Associate Editor, American Journal on Intellectual and Developmental Disabilities (2015-2019)
- American Psychological Association, Div 33, Newsletter Committee member (2016-2017)
- National Association for Dually Diagnosed, Research Committee member (2014-2018)
- Editorial Board, Family Relations (2014-2019)
- American Psychological Association, Div 33, Early Career Psychologist Committee member (2014-2017)
- Editorial Board, Journal of Mental Health Research in Intellectual Disabilities (2014-present)
- American Psychological Association, Div 33, Member-At-Large (2013-2015)
- Licensed Clinical Psychologist in Wisconsin (#2807-57) (2009-present)
- Theodore Tjossem Travel Award (Gatlinburg Conference, 2009)
- Outstanding Dissertation Award (University of Wyoming, 2008)
- American Psychological Association Division 33 Graduate Student Award (2006)
- Max Rardin Outstanding Psychology Award (University of Wyoming, 2005)
- Outstanding Master's Thesis Award (University of Wyoming, 2004)
- Robert Clark Psychology Award (University of Wyoming, 2004)
- David Zeaman Travel Award (Gatlinburg Conference, 2004)
- Graduate Student Book Award (Wyoming Psychological Association, 2003)

RESEARCH AND PUBLICATIONS

Underline indicates student/trainee co-author.

Journal Articles

1. Piro-Gambetti, B., Schworer, E. K., Handen, B., Glukhovskaya, M., & Hartley, S. L. (2023). Does Employment Complexity Promote Healthy Cognitive Aging in Down Syndrome? *Journal of Intellectual Disabilities*, epub ahead of print. <https://doi.org/10.1177/17446295231169379>
2. Fleming, V., Helsel, B.C., Ptomey, L.T., Rosas, H.D., Handen, B., Laymon C, Christian BT, Head E, Mapstone M, Lai, F., Krinsky-McHale, S., Zaman, S., Ances, B.M., Lee, J.H., Hartley, S.L., and the Alzheimer's Biomarker Consortium –Down Syndrome Consortium (2023). Weight loss and Alzheimer's disease in Down syndrome. *Journal of Alzheimer's Disease*, 91(3),1215-1227. doi: 10.3233/JAD-220865.
3. Krinsky-McHale, S.J., Hartley, S.L., Hom, C., Pulsifer, M., Isabel.C.H., Handen, B.L., Lott, I.T., Schupf, N., Silverman, W. Alzheimer's Biomarker Consortium-Down syndrome. (2022). A modified Cued Recall Test for detecting prodromal AD in adults with Down syndrome. *Alzheimer's and Dementia: Diagnosis, Assessment, and Disease Monitoring*, 14, e12361. <https://doi.org/10.1002/dad2.12361>
4. Peven, J.C., Handen, B., Laymon, C., Fleming, V., Piro-Gambetti, B., Christian, B.T. Klunk, W., Cohen, A., Okonkwo, O., & Hartley, S.L. (2022). Hippocampal volume, memory, and physical activity in Down syndrome. *Frontiers in Integrative Neuroscience*, 13 (16), 919711. doi: 10.3389/fnint.2022.919711
5. Fleming, T., Plante, D., Handen, B. & Hartley, S.L. (in press). Physical Activity and Physical and Mental Health in Middle-Aged Adults with Down Syndrome. *Journal of Policy and Practice in Intellectual Disabilities*.
6. Lao, P.J, Zimmerman, M.E., Hartley, S., Gutierrez J, Keator, D., Igwe, K.C, Laing, K.K., Cotton-Samuel, D., Sathishkumar M, Moni, F., Andrews, H., Krinsky-McHale, Head, E., Lee, J.H., Lai, F., Yassa, M.A., Rosas H.D., Silverman, W., Lott, I.T., Schupf, N., Brickman, A.M. (2022). Sleep apnea, cerebrovascular disease, and amyloid in older adults with Down syndrome across the Alzheimer's continuum. *Sleep Advances*, 5 (3), *zpac013*.doi: 10.1093/sleepadvances/zpac013. PMC9154738.
7. Piro-Gambetti, B., Greenlee, J.L., Hickey, E., Lorang, E., & Hartley, S.L. (in press). Parental Depression Symptoms and Internalizing Mental Health Problems in Autistic Children. *Journal of Autism and Developmental Disorders*.

8. Hartley, S.L., Fleming, V., Piro-Gambetti, Cohen, A., Ances, B., Yassa, M.....the ABC-DS group. (2022). Impact of the COVID 19 pandemic on daily life, mood, and behavior of adults with Down syndrome. *Disability and Health Journal*. Epub ahead of print. 101278, ISSN 1936-6574, <https://doi.org/10.1016/j.dhjo.2022.101278>.
9. Padilla, C., Montal, V., Walpert, M.J., Hong, Y.T., Fryer, T.D., Coles, J.P., Aigbirhio, F.I., Hartley, S.L.,... & Zaman, S. (2022). Cortical atrophy and amyloid and tau deposition in Down syndrome: A longitudinal study. *Alzheimer's & Dementia: Diagnosis, Assessment, and Disease Monitoring*. Apr 1;14(1):e12288. doi: 10.1002/dad2.12288.
10. Hartley, S.L., Handen, B.L., Tudorascu, D., Lee, L., Cohen, A., Piro-Gambetti, B., Zammit, M., Klunk, W., Laymon, C., Zaman, S., Ances, B.M., Sabbagh, M., Christian, B.T. (2022) Role of tau deposition in early cognitive decline in Down syndrome. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, 14 (1):e12256. doi:10.1002/ dad2.12256
11. Fleming, V., Piro-Gambetti, B., Bayzilo, A., Zammit, M., Alexander, A., Christian, B., Handen, B., Plante, D., & Hartley, S.L. (2021). Sleep and white matter in Down syndrome. *Brain Sciences*, 11(10), 1322. doi: 10.3390/brainsci11101322
12. Fortea, J., Zaman S.H., Hartley, S.L., Rafii, M., Head, E., & Carmona-Iragui, M. (2021). Down syndrome-associated Alzheimer's disease: A genetically determined form of Alzheimer's disease. *Lancet Neurology*, 20(11), 930–942. doi: 10.1016/S1474-4422(21)00245-3
13. Fleming, V., Piro-Gambetti, B., Patrick, A., Zammit, M., Alexander, A., Christian, B.T., Handen, B., Cohen, A., Klunk, W., Laymon, C., Ances, B.M., Plante, D.T., Okonkwo, O., Hartley, S.L. (2021). Physical activity and cognitive and imaging biomarkers of Alzheimer's disease in Down syndrome. *Neurobiology of Aging*, 107,118-127 doi: 10.1016/j.neurobiolaging. 2021.07.016
14. Kristensen, K., Lorenz, K.M., Zhou, X., Piro-Gambetti, B., Hartley, S.L., Godar, Diel, S., Elizabeth Neubauer, E., & Litovsky, R.Y. (2021). Language and executive functioning in young adults with Down syndrome. *Journal of Intellectual Disability Research*. Epub ahead of print. doi: 10.1111/jir.12868
15. Greenlee, J., Papp, L., Piro-Gambetti, B., & Hartley, S.L. (2021). Marital satisfaction, parenting styles, and child outcomes in families of children with autism spectrum disorder. *Family Process*. Epub ahead of print doi: <https://doi.org/10.1111/famp.12708>
16. Piro-Gambetti, B., Rodriguez, G., Papp, L., Greenlee, J., & Hartley, S.L. (2021). Parent couple conflict and emotional and behavioral problems in children and adolescents with autism: Longitudinal investigation of bidirectional effects. *Developmental Psychology*, 1–11. Epub ahead of print. doi: <https://doi.org/10.1017/S0954579421000596>
17. Bazydlo, A., Zammit, M., Wu, M., Douglas Dean, D., Johnson, S., Dana Tudorascu, D., Ann Cohen, A., Cody, K., Ances, B., Laymon, C., William Klunk, W., Shahid Zaman, S., Handen, B., Andrew Alexander, A., Christian, B., & Hartley, S.L. (2021). White matter microstructure associations with episodic memory in adults with Down syndrome: a tract-based spatial statistics study. *Journal of Neurodevelopmental Disorders*. epub ahead of print. doi: 10.1186/s11689-021-09366-1.
18. Aschenbrenner A.J., Baksh, R.A., Benejam, B., Beresford-Webb, A., Coppus, A., Fortea, J., Handen, B., Hartley, S.L., Head, E., Jaeger, J., Levin, J., Loosli, S.V., Rebillat, A-S., Sacco, S., Schmitt, F.A., Thurlow, K.E., Zaman, S., Hassenstab, J., Strydom, A. (2021). Markers of early changes in cognition across cohorts of adults with Down syndrome at risk of Alzheimer's disease. *Alzheimer's & Dementia: Diagnosis, Assessment, & Disease Monitoring*, 2;13(1):e12184. doi: 10.1002/dad2.12184
19. Greenlee, J., Steilter, C., Piro-Gambetti, B., & Hartley, S.L. (2021). Trajectories of emotion dysregulation in children with autism spectrum disorder. *Journal of Clinical Child and Adolescent Psychology*. epub ahead of print. doi: 10.1080/15374416.2021.1907752
20. Zammit, M.D., Tudorascu, D., Laymon, C.M., Hartley, S.L., Zaman, S.H., Ances, B.M., Johnson, S.C., Stone, C.K., Mathis, C.A., Klunk, W.E., Cohen, A.D., Handen, B.L., & Christian, B.T. (2021). PET measurement of longitudinal amyloid load identifies the earliest stages of amyloid-beta accumulation during Alzheimer's disease progression in Down syndrome. *NeuroImage*. epub ahead of print. doi: 10.1016/j.neuroimage.2021.117728
21. Putney, J., Greenlee, J., & Hartley, S.L. (2020). Use and benefit of dyadic coping for marital satisfaction in parents of children with autism. *Family Process*. doi: 10.1111/famp.12617. epub ahead of print.
22. Zammit, M.D., Laymon, C., Tudorascu, D., Hartley, S.L., Johnson, S.C., Mathis, C.A., Klunk, W.E., Handen, B.L. Cohen, A.D., & Christian, B.T. (2020). Early changes in glucose metabolism are similar between Down syndrome and sporadic Alzheimer's disease. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, 12(1), e12138. doi: 10.1002/dad2.12138

23. Hartley, S.L., Handen, B.L., Devenny, D., Tudorasu, D., Piro-Gambetti, B., Zammit, M.D., Laymon, C. M., Klunk, W., Zaman, S., Cohen, A., & Christian, B.T. (2020). Cognitive indicators of transition to preclinical and prodromal stages of Alzheimer's disease in Down syndrome. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, 12(1), e12096. doi: 10.1002/dad2.12096.
24. Petersen, M.E., Rafii, M.S., Zhang, F., Hall, J., Julovich, D., Ances, B., Schupf, N., Krinsky-McHale, S., Mapstone, M., Silverman, W., Lott, I., Klunk, W., Head, E., Christian, B., Foroud, T., Lai, F., Rosas, D., Zaman, S., Wang, M-C., Tycko, B., Lee, J., Handen, B., Hartley, S., Fortea, J., & O'Bryant, S. Alzheimer's Biomarker Consortium – Down Syndrome (2020). Plasma total-tau and Neurofilament light chain (Nf-L) as diagnostic biomarkers of Alzheimer's disease dementia and mild cognitive impairment in adults with Down syndrome. *Journal of Alzheimer's Disease*, 79(2), 671–681. <https://doi.org/10.3233/JAD-201167>
25. Handen, B.L., Lott, I.T., Christian, B.T., O'Bryant, S., Mapstone, M., Fagan, A.M., Lee, J.H., Tudorascu, D., Want, M-C, Head, E., Klunk, W., Ances, B., Lai, F., Zaman, S., Krinsky-McHale, S., Brickman, A.M., Rosas, H.D., Cohen, A., Andrews, H., Hartley, S.L., Silverman, W., & Alzheimer's Biomarker Consortium-Down syndrome (ABC-DS). (2020). The Alzheimer's Biomarker Consortium-Down syndrome: Rationale and methodology. *Alzheimer's and Dementia: Diagnosis, Assessment, and Disease Monitoring*, 12, e12065. doi:10.1002/dad2.12065
26. Papp, L.M., Drastal, K.C., Lorang, E.K., & Hartley, S.L. (2020). Mother-father physiological synchrony during conflict and moderation by parenting challenges: Findings from parents for children with autism spectrum disorder. *Families, Systems, and Health*. epub ahead of print. doi: 10.1037/fsh0000525.
27. Snyder, H.M., Bain, L.J., Brickman, A.M., Carrillo, M.C., Esbensen, A.J., Espinosa, J.M., Fernandez, F., Fortea, J., Hartley, S.L., ...Rafii, M.S. (2020). Further understanding the connection between Alzheimer's disease and Down syndrome. *Alzheimer's and Dementia: Diagnosis, Assessment, and Disease Monitoring*, 16, 1065-1077. doi: 10.1002/alz.12112
28. Rodriguez, G., Drastal, K., & Hartley, S.L. (2020). Cross-lagged model of bullying victimization and mental health problems in children with autism in middle and older childhood. *Autism*, 25, 90-101. doi: 10.1177/1362361320947513. [cited by: 3]
29. Cody, K.A., Piro-Gambetti, B., Zammit, M., Christian, B.T., Handen, B.L., Klunk, W.E., Zaman, S., Johnson, S., Plante, D., & Hartley, S.L. (2020). Association of sleep with cognition and β -amyloid accumulation in adults with Down syndrome. *Neurobiology of Aging*, 93, 44-51. doi: 10.1016/j.neurobiolaging.2020.04.018.
30. Hickey, E.J., Hartley, S.L., & Papp, L. (2020). Psychological Well-Being and Parent-Child Relationship Quality in Relation to Child Autism: An Actor-Partner Modeling Approach. *Family Process*, 59, 636-650. doi: 10.1111/famp.12432
31. Lorang, E., Hartley, S.L., Sterling, A. (2020). Physiological arousal and observed behavior in parent-child interactions involving young children with Down syndrome. *Journal of Intellectual Disability Research*, 64, 426-433. doi: 10.1111/jir.12714.
32. Hickey, E.J., Bolt, D., Rodriguez, G., & Hartley, S.L. (2020). Bidirectional relations between parent Warmth and Criticism and the Symptoms and Behavior Problems of Children with Autism. *Journal of Abnormal Child Psychology*, 48, 865-879. doi:10.1007/s10802-020-00628-5. [
33. Mihaila, I., Handen, B.L., , Christian, B.L., Lao, P.J., Cody, K.A., Klunk, W.E., Tudorascu, , D.L., Cohen, A.D., Okonkwo, O.C., Hartley, S.L. (2019). Leisure activity, brain β -amyloid and episodic memory in adults with Down syndrome. *Developmental Neurobiology*, 79, 738-749. doi: 10.1002/dneu.22677.
34. Rubenstein, E., Hartley, S.L., & Bishop, L. (2019). Epidemiology of dementia and Alzheimer disease in individuals with Down syndrome. *JAMA Neurology*, 77, 262-264. doi:10.1001/jamaneurol.2019.366.
35. Hickey, E.J., Nix, R., & Hartley, S.L. (2019). Classes of Family Emotional Climate in the Context of Child Autism Spectrum Disorder. *Journal of Autism and Developmental Disorders*, 49, 3244-3256. doi: 10.1007/s10803-019-04037-6.
36. Hartley, S.L., DaWalt, L., Hong, J., Greenberg, J., & Mailick, M. (2019). Positive Emotional Support in Premutation Carrier Mothers of Adolescents and Adults with Fragile X Syndrome: Gene by Environment Interactions. *American Journal on Intellectual and Developmental Disabilities*, 124(5), 411-426. doi: 10.1352/1944-7558-124.5.411.PMC6948144
37. Rodriguez, G., Hartley, S.L., & Bolt, D. (2019). Transactional relations between parenting stress and child autism symptoms and behavior problems. *Journal of Autism and Developmental Disorder*, 49, 1887-1898. doi: 10.1007/s10803-018-3845-x. PMC6824547

38. Hartley, S.L., Hickey, E.J., & Rodriguez, G. (2019). Broader Autism Phenotype and Couple Interactions in Parents of Children with Autism. *Autism*, 23, 2068-2079. doi: 10.1177/1362361319841312
39. Goetz, G.L., Hartley, S.L., & Rodriguez, G. (2019). Actor-partner examination of daily parenting stress and perceived couple interactions in the context of child autism. *Journal of Family Psychology*, 33, 554-564. doi: 10.1037/fam0000527.
40. Papp, L.M., & Hartley, S.L. (2018). Child-present and child-themed marital conflict in daily life of parents of children with and without autism spectrum disorder. *Developmental Psychology*. epub ahead of print. doi: 10.1037/dev0000631.
41. Tudorascu, D.L., Anderson, S.J., Minhas, D.S., Yu, Z., Comer, D., Lao, P., Hartley, S.L., ...Christian, B.T. (2018). Comparison of longitudinal A β in non-demented elderly and Down syndrome. *Neurobiology of Aging*. Epub ahead of print. doi: 10.1016/j.neurobiolaging.2018.09.030
42. Mihaila, I., & Hartley, S.L. (2018). Parental sleep quality and behavior problems of children with autism. *Autism: The International Journal of Research and Practice*, 22, 236-244. <https://doi.org/10.1177/1362361316673570>.
43. Lao, P.J., Handen, B.L., Betthausen, T.J., Mihaila, I., Hartley, S.L., Cohen, A.D., et al...Christian, B.T. (2017). Longitudinal changes in amyloid PET and volumetric MRI in the non-demented Down syndrome population. *Alzheimer's and Dementia: Diagnosis, Assessment, and Disease Monitoring*, 9, 2-9. doi: 10.1016/j.dadm.2017.05.001
44. Hartley, S. L., Papp, L. M., Mihaila, I., Bussanich, P. M., Goetz, G., & Hickey, E. J. (2017). Couple Conflict in Parents of Children with versus without Autism: Self-Reported and Observed Findings. *Journal of Child and Family Studies*, 26, 2152-2165. <https://doi.org/10.1007/s10803-017-3088-2>
45. Hartley, S. L., DaWalt, L.S., & Schultz, H.M. (2017). Daily Couple Experiences and Parent Affect in Families of Children with versus without Autism. *Journal of Autism and Developmental Disorders*, 47, 1645-1658. doi 10.1007/s10803-017-3088-2
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47. Papp, L.M., & Hartley, S.L. (2017). Mothers' and fathers' prescription drug misuse in family contexts: Implications for the adjustment of parents of children with and without autism. *Addiction Research and Theory*. Epub ahead of print. doi:10.1080/16066359.2017.1351552
48. Bussanich, P.M., Hartley, S.L., & Bolt, D. (2017). Parental attributions for positive behaviors in children with autism spectrum disorder. *Journal of Intellectual Disability Research*, 61, 643-655. doi:10.1111/jir.12373.
49. Hickey, E. J., Dubois, L., & Hartley, S. L. (2017). Positive and Negative Social Exchanges Experienced by Fathers and Mothers of Children with Autism. *Autism: The International Journal of Research and Practice*, 22, 469-478 doi: 10.1177/1362361316687117.
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51. Lao, P.J., Betthausen, T.J., Hilmer, A.T., Cohen, A.D., Rice, J., Klunk, W., Mihaila, I., Higgins, A.T., Bulova, P.D., Hartley, S.L. et al...Christian, B.T. (2016). The effects of normal aging on amyloid- β deposition in nondemented adults with Down syndrome as imaged by carbon 11-labeled Pittsburgh Compound B. *Alzheimer's and Dementia*, 12, 380-390. doi: 10.1016/j.jalz.2015.05.013
52. Mihaila, I., Hartley, S.L., Handen, B. L., Bulova, P.D., Tumuluru, R.B., Devenny, D.A., et al. (2016). Leisure activity and caregiver involvement in middle-aged and older adults with Down syndrome. *Intellectual and Developmental Disabilities*, 55, 97-109. doi: 10.1352/1934-9556-55.2.97.
53. Hartley, S.L., Papp, L.M., Blumenstock, S., Floyd, F., & Goetz, G. (2016). The effect of daily challenges in children with autism on parents' couple problem-solving interactions. *Journal of Family Psychology*, 30, 732-742. doi:10.1037/fam0000219.
54. Hartley, S.L., Papp, L., & Bolt, D. (2016). Spillover of marital interactions and parenting stress in families of children with autism spectrum disorder. *Journal of Clinical Child and Adolescent Psychology*, 1-12. epub ahead of print. doi: 10.1080/15374416.2016.1152552
55. Lao, P.J., Betthausen, T.J., Hilmer, A.T., Cohen, A.D., Rice, J., Klunk, W., Mihaila, I., Higgins, A.T., Bulova, P.D., Hartley, S.L. ...Christian, B. (2016). The effects of normal aging on amyloid- β deposition in nondemented adults with Down syndrome as imaged by carbon 11-labeled Pittsburgh Compound B. *Alzheimer's and Dementia*, 12, 380-390. doi: 10.1016/j.jalz.2015.05.013

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57. Hartley, S.L., Wheeler, A., Mailick, M.R., Raspa, M., Mihaila, I., Bishop, E., & Bailey, D. (2015). Autism symptoms across adulthood in men with Fragile X syndrome: Findings from a Cross-sectional study. *Journal of Autism and Developmental Disorders*, 45, 3668-3679. doi: 10.1007/510803-015-25137.
58. Hartley, S. L., & Schultz, H. M. (2015). Support needs of fathers and mothers of children and adolescents with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 45, 1636-1548. doi: 10.1007/s10803-014-2318-0
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Invited Reviews

88. Fleming, V., Hom, C.L., Clare, I.C.H., Hurd-Thomas, S.L, Krinsky-McHale, S., Handen, B., & Hartley, S.L. (2022). Cognitive outcomes for tracking Alzheimer's disease in Down syndrome. *International Review of Research in Developmental Disabilities*. <https://doi.org/10.1016/bs.irrdd.2022.05.006>.
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90. Hartley, S. L., Seltzer, M. M., Barker, E. T., & Greenberg, J. S. (2011). Marital quality in families of children with developmental disabilities. In R. Hodapp, (Ed.) *International review of research in developmental disabilities*, Vol. 50 (pp. 1-29). Philadelphia, PA: Elsevier.

Chapters in Books and Edited Volumes

91. Hartley, S.L. & Esbensen, A. (2021). Sleep in aging adults with Down syndrome and its associations with Alzheimer's Disease. In E. Head and I. Lott (Eds.), *The Neurobiology of Aging and Alzheimer's disease in Down syndrome* (pg. 45-62). New York, New York: Elsevier.
92. Hartley, S.L., & Rodriguez, G. (2019). Self-care and raising a child with ASD. In B. Turns, J. Ramisch, and J. Whiting (Eds.), *Systemically Treating Autism: A Guide to Empowering Families* (pg. 229-237). Routledge.
93. Hickey, E. J., & Hartley, S.L. (2018). Conservatorship. In E. Braatan and B. Willoughby (Eds.), *Encyclopedia of intellectual and developmental disorders* (pg. 203-205). Sage Publications.
94. Esbensen, A. J., & Hartley, S. L. (2012). Mood disorders. In J. L. Taylor, W. R. Lindsay, R. Hastings, & C. Hatton (Eds.), *Psychological therapies for adults with intellectual disabilities* (pp.108-129). Chichester, West Sussex: John Wiley & Sons, Ltd.
95. Hartley, S. L., & Seltzer, M. M. (2011). What forms of living are useful and available for adults with ASC? In S. Bolte & J. Hallmayer (Eds.), *Autism spectrum conditions: International experts answer your questions on autism, Asperger syndrome and PDD-NOS* (pg. 245-248). Boston, MA: Hogrefe.
96. Hartley, S. L., Horrell, S. V., & MacLean, W. E., Jr. (2007). Science to practice in intellectual disability: The role of empirically supported treatments. In J. W. Jacobson, J. A. Mulick, & J. Rojahn (Eds.), *Handbook of intellectual and developmental disabilities* (pp. 425-444). Norwell, MA: Kluwer Academic/Plenum.
97. MacLean, W. E., Jr., & Hartley, S. L. (2005). Down syndrome. In N. J. Salkind (Ed.), *Encyclopedia of human development* (pg. 309-321). Oaks, CA: Sage.

RESEARCH SUPPORT (Total federal support to UW-Madison from grants as PI, MPI or co-I: \$25 million)

2023-2028	Estimating daily movement for the prevention of Alzheimer's disease in Down syndrome NIA K01AG083130; \$625,766 (Fellow: Helsel; Mentors: Hartley, Ptomey & Burns) Role: Mentor
2023-2028	Binaural processing and hearing in children with cochlear implants NIDCD R01 DC020355; \$3,469,617 (MPIs: Litovsky) Role: Co-I
2022-2027	Auditory Function, Neurocognition, and Brain Structure in Down Syndrome NIDCD R01 DC019511; \$3,809,213 (MPIs: Litovsky, Hartley, & Alexander) Role: MPI
2020-2025	Waisman Center Postdoctoral Training in Intellectual and Developmental Disabilities NICHD T32 HD007489; \$1,462,067 Role: PI
2020-2025	Lifestyle Risk and Resiliency Factors and Alzheimer's Disease in Down syndrome NIA R01 AG070028; \$3,567,035; (Supplement 2022: \$146,890; Supplement 2023: \$105,199) Role: PI
2020-2025	Alzheimer's Biomarker Consortium- Down syndrome NIA/NICHD U19 AG068054; \$102,012,285 (\$3,786,987 to UW-Madison) (Supplement 2022: \$97,567 to UW-Madison) (PIs: Handen, Christian, Mapstone, & Head) Role: Co-I and MPI of UW-Madison site
2020-2022	Language, physiology, and anxiety across contexts in autism spectrum disorder and fragile X syndrome NIDCD F31DC018716 (Fellow: Lorang); \$64,204 Role: Co-sponsor
2019-2022	Supplement to Biomarkers of Alzheimer's Disease in Adults with Down syndrome U01 AG051412 NICHD/NIA (PI: Schupf); \$499,434 (\$241,423 to UW-Madison) Role: MPI Supplement and PI of UW-Madison site
2018-2021	Supplement to National Alzheimer's Coordinating Center – Developing a Protocol for assessing Alzheimer's Disease in Adults with Down Syndrome NIA U01 AG016976 (PI: Kukull); \$354,091 (\$31,238 to UW-Madison) Role: PI of UW-Madison site
2018-2021	Supplement to Binaural Hearing in Adult Learners NIDCD R01 008083 (PI: Litovsky); \$205,463 Role: Consultant
2018-2022	Supplement to Neurodegeneration in Aging Down Syndrome: A Longitudinal Study of Cognition and Biomarkers of Alzheimer's disease – Lifestyle and Alzheimer's Disease in Down syndrome NICHD/NIA U01 AG15001 (MPIs: Handen, Christian, Klunk); \$497,130 (\$342,588 to UW-Madison). Role: PI UW-Madison site
2017-2021	Lifestyle and Alzheimer's Disease in Adults with Down syndrome. UW-Madison Office of the Vice Chancellor for Research and Graduate Education; \$76,638 Role: PI

- 2015-2021 Neurodegeneration in Aging Down Syndrome: A Longitudinal Study of Cognition and Biomarkers of Alzheimer's Disease
NICHD/ NIA U01 AG15001 (MPIs: Hand, Christian, Klunk); \$12,000,188 (\$3,210,230 to UW-Madison)
Role: Co-I
- 2017-2018 Physiological Arousal related to Marital Interactions in Couples with a Child with Autism
WARF/UW-Madison Fall Research Competition; \$34,313
Role: PI
- 2013-2020 Family Outcomes in Autism Spectrum Disorder
NIMH R01 MH099190; \$2,244,638
Role: PI
- 2012-2016 Natural History of Amyloid Deposition related to Dementia in Adults with Down Syndrome
NIA R01 AG076640 (MPIs: Hand, Christian, & Klunk); \$3,101,689 (\$1,992,410 to UW-Madison)
Role: Co-I
- 2011-2013 Feasibility and Pilot Testing of a CBT treatment for depression in Adults with Intellectual Disability
UW-Madison Institute for Clinical and Translational Research (ICTR); \$50,000
Role: PI
- 2011-2012 Marital Quality in Parents of Children with Autism Spectrum Disorders.
WARF/UW-Madison Fall Research Competition; \$17,287
Ro: PI
- 2008-2010 Waisman Center Postdoctoral Training Program in Mental Retardation
NICHD T32 HD007489 (PI: Abbeduto)
Role: Postdoctoral Trainee; \$38,543 annually
- 2007-2009 Stressful Social Interactions and Depression in Adults with Mild Intellectual Disability
NIMH R03 MH76124 (PI: MacLean); \$72,709
Role: Co-I

PRESENTATIONS

Representative Refereed Conference Presentations

Underline indicates student/trainee co-author

- Yoon, D., Gambetti, B., Fleming, V., Handen, B., Peven, J., & Hartley, S.L. (April 2023). Obstructive sleep apnea and its effect on mood in adults with Down syndrome. Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities Conference, Kansas City, MO.
- Schworer, M., Peterson, M., Handen, B., Peven, J., Hartley, S.L., & ABC-DS. (April 2023). Plasma biomarkers of Alzheimer's disease and functional ability in adults with Down syndrome. Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities Conference, Kansas City, MO.
- Fleming, V., Piro-Gambetti, B., Helsel, B.T., Ptomey, L., Handen, B., Christian, B., & Hartley, S.L. (June 2022) Body-mass-index, aging, and Alzheimer's disease in Down syndrome, *Alzheimer's disease biomarkers in Down syndrome* [symposium]. Fourth International T21 Research Society Conference in Long Beach, California and online.
- Piro-Gambetti, B., Fleming, V., Handen, B., & Hartley, S.L., & the ABC-DS study team. (August 2022). Employment and/or day program disruptions due to COVID-19 in adults with Down syndrome. *American Psychological Association Convention* (virtual poster)

- Peven, J., Handen, B., Lee, A., Cohen, A., & Hartley, S. (2022, July). Physical Activity Engagement, Memory Function, and Hippocampal Volume in Adults with Down Syndrome. International Society on Alzheimer's Treatment Alzheimer's Association International Conference. San Diego, CA. Poster.
- Hartley, S.L., Handen B.L., Fleming, V., Christian, B., Ances, B. and the ABC-DS. (2022, July). AT(N) Biomarker Profiles and Alzheimer's Disease Clinical Status and Memory in Adults with Down syndrome. International Society on Alzheimer's Treatment Alzheimer's Association International Conference. San Diego, CA. Poster.
- Zammit, M., Betthausen, T., Andrew McVea, A. Laymon, C., Johnson, S., Cohen, A., Tudorasu, D., Hartley, S.L. & Christian, B. (January 2022). Longitudinal increases in tau emerge alongside early amyloid change in Down syndrome. *Human Amyloid Imaging*. Talk.
- Greenlee, J., Hickey, E., Stelter, C., & Hartley, S. (2021, Aug). *Profiles of Parenting in Autism Spectrum Disorder*. [Paper Presentation]. American Psychological Association Convention (virtual).
- Greenlee, J., Lorang, E., & Hartley, S. (2021, Apr). *Analyzing Electrodermal Activity in Children with Autism Spectrum Disorder*. [Poster presentation]. Society for Research in Child Development Biennial Conference. (Virtual).
- Putney, J. M., Hickey, E.J., & Hartley, S.L. (2021, April). Optimizing parental relationships in the context of broader autism phenotype. Paper accepted for presentation in C. Carson (Chair), *Implications of the broader autism phenotype in couples with a child with ASD for family functioning* at the Society of Child Development Research Biennial Meeting, Online, April 2021.
- Greenlee, J.L., Piro-Gambetti, B., Putney, J.M., Papp, L.M., & Hartley, S.L (2021, April) Marital satisfaction and child outcomes in families of a child with autism spectrum disorder. Poster accepted to be presented at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Virtual Conference, April 2021.
- Piro-Gambetti, B., Greenlee, J., Hickey, E.J., Putney, J.M., Lorang, E., & Hartley, S.L. (2021). Parental depression and internalizing problems in children with autism. *American Psychological Association Convention* (virtual poster)
- Piro-Gambetti, B., Fleming, V., Zammit, M., Christian, B., Handen, B., Klunk, W., Cohen, A., Tudorasu, D., Ances, B., & Hartley, S.L. (2021). Employment and the biomarkers of early Alzheimer's Disease in Down syndrome. *Gatlinburg Conference for Intellectual and Developmental Disabilities* (virtual poster)
- Hartley, S.L. (Chair), Zammit, M., Cohen, A., Pederson, M., Carmona-Iragui, M., & Rafii, M. (presenters) (2021). Featured Research Symposium: Advancements in biomarkers of Alzheimer's Disease in Down syndrome. *Alzheimer's Association International Conference*. Denver, Colorado.
- Fleming, V., Gambetti, B., Patrick, A., Zammit, M., Alexander, A., Christian, B.T., Handen, B., Cohen, A., Klunk, W., Laymon, C., Ances, B.M., Plante, D.T., Okonkwo, O., & Hartley, S.L. (2021). Poster: Physical activity, cognitive decline and biomarkers of Alzheimer's in adults with Down Syndrome. *Alzheimer's Association International Conference*. Denver, Colorado.
- Greenlee, J., & Hartley, S.L. (2020). Poster: Trajectories of emotion dysregulation in children with autism spectrum disorder. *Journal of Clinical Child and Adolescent Psychology Future Directions Forum*, Washington, DC. (Virtual Conference). ***Winner of Early Career Researcher Award**
- Piro-Gambetti, B., Rodriguez, G., Greenlee, J., & Hartley, S.L. (2020). Poster: Internalizing vs. externalizing behavior problems and parent conflict in Autism. *American Psychological Association Convention*. Virtual Conference.
- Putney, J. & Hartley, S.L. (2020, May). Poster: Use and benefit of dyadic coping for marital satisfaction in parents of children with autism. *International Meeting for Autism Research*. Virtual Conference.
- Greenlee, J. Piro-Gambetti, B., & Hartley, S.L. (2020). Marital satisfaction, parenting, and child outcomes. In C. Sanner (Chair) Parenting in Families of Children with Autism. Symposium presentation: 53rd Annual *Gatlinburg Conference on Research and Theory in intellectual and Developmental Disabilities*. Cancelled due to COVID-19.
- Piro-Gambetti, B., Rodriguez, G., Papp, L., & Hartley, S.L. (2020). Bidirectional effects: Parent couple conflict and mental health problems in children and adolescents with autism. Poster presentation accepted for the 53rd Annual *Gatlinburg Conference on Research and Theory in intellectual and Developmental Disabilities*. Cancelled due to COVID-19.
- Putney, J. & Hartley, S.L. (2020). Talk: Optimizing romantic relationships in the context of broader autism phenotype. In C. Carson (Chair) Implications of the broader autism phenotype in couples with a child with ASD for family functioning symposium. *Annual Gatlinburg Conference on Research and Theory in intellectual and Developmental Disabilities*. Cancelled due to COVID-19.
- Tudorasu, D.L., Comer, D., Zammit, M., Laymon, C., Minhas, D., Ellison, P., Zaman, S., Ances, B., Johnson, S., Mathis, C., Klunk, W., Christian, B.T., Handen, B, Hartley, S., & Cohen, A.D. (2020). Poster: Associations

- between longitudinal cognitive measures and cross-sectional tau in adults with Down syndrome. *Human Amyloid Imaging Conference*. Miami Beach, FL.
- Zammit, M.D., Laymon, C.M., Tudorascu, D.L., Cohen, A.D., Minhas, D., Zaman, S., Ances, B., Hartley, S., Johnson, S., Mathis, C., Klunk, W.E., Handen, B.L., & Christian, B.T. (2020). Poster: Regional associations between amyloid and glucose metabolism during the progression of Alzheimer's disease in Down syndrome. *Society for Nuclear Medicine and Molecular Imaging Annual Meeting*. New Orleans, LA.
- Schiltz, H., Hartley, S., & Greenlee, J. (2020). Poster: Trajectory of change in the observed couple relationship quality of parents of a child with autism spectrum disorder. *International Society for Autism Research Conference*, Seattle, WA.
- Bazydlo, A., Hartley, S., Wu M, Dean DC, Zammit M, Johnson SC, Tudorascu DL, Cohen AD, Cody KA, Laymon CM, Klunk WE, Zaman S, Handen BL, Alexander A, Christian BT. (2020). White matter microstructure and episodic memory in adults with Down Syndrome: a tract-based spatial statistics study. Alzheimer's Association International Conference. Amsterdam, Netherlands.
- Bazydlo, A., Hartley, S., Wu, M., Dean, D.C., Zammit, M., Johnson, S.C., Tudorascu, D.L., Cohen, A.D., Cody K.A., Laymon, C.M., Klunk, W.E., Zaman, S., Handen, B.L., Alexander, A., Christian, B.T. (2020). Mean Diffusivity in white matter regions correlate with episodic memory performance in aging, non-Demented adults with Down Syndrome. *ISMRM 28th Annual Meeting*. Paris, France.
- Schinkowitch, T., Greenlee, J., Rodriguez, G., & Hartley, S. L. (2020). Poster: Girls vs. boys with Autism: Differences in the parent-child relationship quality. *National Council on Family Relations Conference*. ***Winner of Best Undergraduate Research Poster Presentation Award**
- Fleming, V., Gambetti, B., Drastal, K., Christian, B., Handen, B., & Hartley, S. L. (2020, April). Poster: Physical activity, cognitive functioning, and amyloid-B in adults with Down syndrome. *Annual Gatlinburg Conference on Research on Intellectual and Developmental Disability*. San Diego, CA.
- Hartley, S.L., Handen, B., Devenny, D., Tudorasu, D., M., & Christian, B.T. (2019). Cognitive Outcome measures for Alzheimer's disease in Down syndrome. In B. Christian (Chair) Alzheimer's Biomarkers Consortium – Down Syndrome symposium. *International Meeting of T21 Research Society*. Barcelona, Spain.
- Piro-Gambetti, B., Mihaila, I., Handen, B., Christian, B.T., Cody, K., & Hartley, S.L. (2019). Poster: Sleep, cognitive functioning, and β -amyloid in adults with Down syndrome. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Antonio, TX.
- Hickey, E.J., Hartley, S.L., & Papp, L.M. (2018). Poster: Actor and Partner parent depression and parent-child relationship quality in families of children with autism. *National Council on Family Relations Conference*, San Diego, CA.
- Salentine, C. & Hartley, S.L. (2018). Poster: Coping strategies and depression in parents of children with autism. *American Psychological Association Convention*, San Francisco, CA.
- Rodriguez, G., & Hartley, S.L. (2018). Poster: Transactional relations between parenting stress and child autism symptoms and behavior problems. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Antonio, TX.
- Goetz, G.L., Hartley, S.L., & Rodriguez, G.R. (2018). Poster: Actor-partner daily parenting stress and couple interactions in families of children with autism. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Antonio, TX.
- Mihaila, I., Hartley, S.L., Handen, B.L., Makuch, R., & Christian, B. (2018). Poster: Leisure activity and Alzheimer's related change in episodic memory in adults with Down syndrome. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Diego, CA.
- Goetz, G.L., & Hartley, S.L. (2017). Poster: Parenting styles and associations with child behavior problems in parents of children with and without ASD. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Antonio, TX.
- Mihaila, I., Hartley, S.L., Handen, B.L., Devenny D., Hardison, R., & Christian, B. (2017). Talk: Cognitive decline and amyloid-beta across 3 years in adults with Down syndrome. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Antonio, TX.
- Hickey, E.J., Hartley, S.L., & Papp, L.M. (2017). Talk: Couple conflict in parents of children with versus without autism: Self-report and observed findings. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Antonio, TX.
- Bussanich, P., Hartley, S.L., & Bolt, D. (2017). Talk: Parental attributions for positive behavior in children with autism spectrum disorder. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Antonio, TX.

- Lao, P.J., Beehauser, T.J., Price, J.C., Klunk, W.E., Bulova, P.D., Hartley, S.L., ...Christian, B.T. (2016). Poster: Longitudinal study of amyloid-B accumulation in Down Syndrome. *Society of Nuclear Medicine and Molecular Imaging Conference*. San Diego, CA.
- Hartley, S.L., Olson, R., Goetz, G., & Hickey, E., (2016). Poster: Physiological reactivity and synchrony in couples who have a child with autism and link to parent outcomes. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Diego, CA.
- Hickey, E. J., Hartley, S.L., & Blumenstock, S. (2016). Poster: Actor-partner model of the association between marital and parent-child relationship quality in families of children with autism spectrum disorder. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Diego, CA.
- Mihaila, I., Hartley, S.L., Fisher, A., & Deitrich, S. (2016, March). Poster: Observed couple problem-solving interactions in parents who have a child with autism spectrum disorder. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Diego, CA.
- Goetz, G. L., & Hartley, S.L.. (2020). Poster: Partner differences in parenting experiences and marital quality in families of children with autism spectrum disorder. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Diego, CA.
- Blumenstock, S., & Hartley, S.L. (2015). Talk: Sexual intimacy, parenting experiences, and child functioning in Families of Children with autism spectrum disorder. *Society for Sexual Science Annual Meeting*, Albuquerque, NM.
- Hartley, S.L., Papp, L., Mihaila, I., Bussanich, P., Schultz, H., & Blumenstock, S. (2015). Talk: Day-to-day associations between child behavior problems and marital interactions in families of children with autism. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, New Orleans, LA.
- Mihaila, I., Hartley, S.L., Handen, B., & Christian, B.T. (2015). Poster: Leisure activities of adults with Down syndrome. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, New Orleans, LA.
- Bussanich, P., Hartley, S.L., Mihaila, I., Schultz, H. (2015). Poster: Associations between parent and child sleep problems in families of children with autism. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, New Orleans, LA.
- Hartley, S. L., Mailick, M. R., Mihaila, I., Bailey, D., Raspa, M., & Wheeler, A. (2014). Talk: Daily life of men with FXS in the transitioning years, young adulthood, and middle adulthood. *National Fragile X Foundation Conference*, Orange County, CA.
- Hartley, S. L., Hickey, E., Mihaila, I., & Bussanich, P. (2014). Talk: Division of labor in families of children with autism. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, Chicago, IL.
- Mihaila, I., Hartley, S.L., & Bussanich, P.M. (2014). Poster: Parental sleep and child behavior problems in families of children and adolescents with autism. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, Chicago, IL.
- Bussanich, P.M., Hartley, S.L., & Mihaila, I. (2014). Poster: Parental attributions for the positive behaviors of children and adolescents with autism. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, Chicago, IL.
- Vincent, L., Shalev, R., Hartley, S. L., & Esbensen, A. (2013). Poster: Pilot study: Development of a CBT intervention for depression in adults with mild intellectual disability. *Annual Convention of the American Psychological Association*, Honolulu, HI.
- Bulova, P., Barnhart, T., Christian, B., Devenny, D., Hardison, R., Hartley, S.L. et al. (2013). Poster: The correlation of cognitive changes and imaging brain amyloid in adults with Down syndrome using Pittsburgh compound B. *National Down syndrome Medical Interest Group Meeting*, Denver, CO.
- Handen, B., Hartley, S., Devenny, D., Christian, B., Price, J.C., Mathis, C. et al. (2013). Poster: Neuropsychological profiles of asymptomatic adults with Down syndrome evidencing amyloid deposition. *Alzheimer's Association International Conference*, Boston, MA.
- Hickey, E. J., & Hartley, S. L. (2013). Poster: Social support in fathers of children with autism. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Antonio, TX.
- Schaidle, E. M., & Hartley, S. L. (2013). *Stress and coping in fathers of children with autism*. Poster presentation at the 46th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, TX.

- Hartley, S. L., Handen, B., Christian, B., Murray, P. J., Price, J., Johnson, J., Klunk, W., & Devenny, D. (2012). Talk: Preclinical stage of Alzheimer's disease: The neuropsychological profile of asymptomatic adults with Down syndrome evidencing amyloid deposition. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, Annapolis, MD.
- Schaidle, E. M., & Hartley, S. L. (2012). Poster: Stress and coping in fathers of children with autism. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Antonio, TX.
- Mileviciute, I., MacLean, W. E., & Hartley, S. L. (2012). Poster: Psychometric evaluation of depression measures among adults with intellectual disability. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, Annapolis, MD.
- Schaidle, E. M., & Hartley, S. L. (2012). Poster: Appraisals of child behavior problems and the coping strategies of fathers of children with autism spectrum disorders. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, Annapolis, MD.
- Price, J.C., Christian, B., Handen, B., Johnson, S., Seltzer, M., Murali, D. ...Klunnk, W.E. (2011). Poster: Assessing amyloid load in non-demented young adults with Down syndrome. *American College of Neuropsychopharmacology*, Waikoloa Beach, Hawaii.
- Cohen, A.D., Christian, B., Handen, B., Johnson, S., Hartley, S., Seltzer, M., et al. (2011). Poster: Imaging brain amyloid in non-demented young adults with Down syndrome using PiB-PET. *International Conference on Alzheimer's Disease and Related Disorder*, Paris, France.
- Hartley, S. L., Seltzer, M. M., Head, L., & Abbeduto, L. (2011). Poster: Psychological well-being in fathers of adolescents and adults with autism spectrum disorders, Down syndrome, and fragile X syndrome. *Annual International Meeting for Autism Research*, San Diego, CA.
- Hartley, S. L., Hong, J., Seltzer, M. M., Greenberg, J., Barker, E., Almeida, D., & Abbeduto, L. (2010). Poster: Understanding the daily stress of mothers of adolescents and adults with fragile X syndrome. *National Fragile X Foundation International Fragile X Conference*, Detroit, Michigan.
- Hartley, S. L., Seltzer, M. M., Greenberg, J. S., Hong, J., Abbeduto, L., & Almeida, D. (2010). Talk: Daily experiences and cortisol levels in mothers of adolescents and adults with fragile X syndrome. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, Annapolis, MD.
- Hartley, S. L., Barker, E. T., Seltzer, M. M., Greenberg J. S., & Floyd, F. J. (2009). Poster: Caregiving experiences of mothers and fathers with adolescent and adult sons/daughters with autism. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, New Orleans, LA.
- Hartley, S.L., & MacLean, W., Jr. (2008). Poster: Depression and stressful social interactions in adults with mild intellectual disability. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, Annapolis, M.D.
- Hartley, S.L., & MacLean, W., Jr. (2007). Poster: Coping strategies of adults with mild intellectual disability. *Annual Convention of the American Psychological Association*, Washington, DC.
- Hartley, S.L., MacLean, W., Jr., and Voss Horrell, S. (2007). Poster: Stressful social interactions, attributions and coping among depressed adults with mild intellectual disability. *Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*, San Diego, CA.
- Hartley, S.L., & MacLean, W., Jr. (2005). Poster: Stress and coping among adults with mild retardation. *113th Annual Convention of the American Psychological Association*, Washington, DC.
- Hartley, S.L., MacLean, W.E., Jr., Horrell, S.V., & Thompson, T. (2004). Poster: Clinically significant psychopathology among the genetic subtypes of Prader-Willi syndrome. *Annual meeting of the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*. San Diego, CA.
- Horrell, S.V., MacLean, W.E., Jr., Miller, M.L., & Hartley, S.L. (2004). Poster: Ritualistic and compulsive behavior in typically developing children and children with developmental delays. *Annual meeting of the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities*. San Diego, CA.

TEACHING

Undergraduate Courses

Human Development and Family Studies 501: Neurodevelopmental Conditions and the Family, UW-Madison
 Human Development and Family Studies 592: Research in HDFS, UW-Madison
 Human Development and Family Studies 363: Development- Adolescence to Old Age, UW-Madison
 Human Development and Family Studies 471: Parent-Child Relations, UW-Madison

Psychology 4320: Intellectual Disabilities, Outreach School, University of Wyoming

Graduate Courses

Inter-Human Ecology 792: Theories and Perspectives in Human Ecology, UW-Madison
 Human Development and Family Studies 766: Professional Development Seminar, UW-Madison
 Human Development and Family Studies 865: Family Theories, UW-Madison
 Human Development and Family Studies 763: Families of Children with Disabilities, UW-Madison
 Human Development and Family Studies 842: Parent-Child Relations across the Life Course, UW-Madison
 Human Development and Family Studies 592: Research in Human Development and Family Studies

Undergraduate Mentorship

- Faculty mentor of 29 poster or oral presentations at the University of Wisconsin-Madison Undergraduate Research Symposium (2011-2023).
- Faculty mentor of Undergraduate Senior Honor Thesis projects (K. Drastal, T. Schinkowitch, & O. Avery)
- Supervisor of 4-8 undergraduate students per semester registered for research credits in my lab (2011-2023)
- Faculty mentor, C. Salentine and P. Ference, Lawrence University Summer Research Exchange Program (2019 and 2023)

Graduate and postdoctoral Mentorship

- Supervised Research Rotation, UW-Madison Neuropsychology PhD students (Kody Cody & Austin Bazydlo) (2018-2020)
- Supervised Research Rotation, UW-Madison Communication Sciences and Disorders PhD student (Emily Lorang) (2018-2020)
- Supervised Research, UW-Madison Rehabilitation Psychology PhD Student (Claire Stelter) (2020-2021)
- Supervised Research, UW-Madison Population Health and Sciences PhD Student (Lindsay Dubois) (2018)
- Research mentor, Waisman Center LEND trainees (2017-2019)
- Primary advisor of 5 PhD and 3 MS students in Human Development and Family Studies (2010-2023)
- Committee member of 22 PhD or MS students across campus (2010-2023)
- Primary advisor of 4 postdoctoral fellows (Geovanna Rodriguez, Jessie Greenlee, Emily Schworer, Tuyen Huynh) and secondary mentor of one (Jenny Phan) (2018-2023)
- NIH K99/R00 mentor (Brian Helsel Fellow) (2023-2028)
- NIH F31 mentor (Emily Lorang) (2020-2022)

Online Teaching Curriculum Development and Presentations

2018	Online Course Development Review Committee, Member, University of Wisconsin-Madison.
2018	Invited Speaker, Advance Your Career Community of Practice Meeting, University of Wisconsin-Madison. Topic: Lessons Learned with Large Online Courses.
2018	Invited Speaker, TeachOnline@UW Showcase, University of Wisconsin-Madison. Topic: Teaching Large Online Courses.
2014-2015	UW-Madison, Teachonline@UW Learning Community. Year-long course (total of 90 hours) geared toward exploring and implementing research-based course design practices.
2013	UW-Madison, Department of Continuing Studies, Summer Educational Innovation Distance Education Grant (PIs: Sigan Hartley & Heather Kirkorian) to enhance curriculum in HDF5 363 (e.g., interactive activities, captivate presentations) and create online quizzing system.

SERVICE

Representative Invited Research and Community Presentations

Hartley, S.L. (March, 2023). Lifestyle and Alzheimer's Disease in Down syndrome, Down syndrome Day with the Experts Event, University of Wisconsin-Madison, Waisman Center. In-person & Virtual ≈60 attendees

- Hartley, S.L., (May, 2022). Sleep and Alzheimer's disease in Down syndrome for the University of California-Irvine Center for Aging Research in Down syndrome.
- Hartley, S.L. (June, 2022). Sleep and Aging in Down syndrome, Global Down syndrome Research and Medical Care Roundtable, NDSC Annual Convention, New Orleans, LA. ≈300 attendees
- Hartley, S.L. (October, 2022). Sleep and Aging and Alzheimer's disease in Down Syndrome, Down Syndrome Association of Central Ohio. Webinar. ≈35 attendees
- Hartley, S.L. Gleason, C., Nogeuron, M., Chafetz, D. (2022, September). Outreach, Recruitment, and Engagement in ABC-DS as part of the NIH Include Virtual Webinar on diversifying research event ≈90 attendees
- Hartley, S.L. (2021, June). Research panel. Health Research in Autistic Adults Summit. Virtual Conference led by Ausdera Lab. Waisman Center, UW-Madison. ≈50 attendees
- Hartley, S.L. (2021, March). Talk. Research updates: Physical Activity and Aging in Down syndrome. Waisman Center, UW-Madison. ≈100 attendees
- Hartley, S.L. (2020, August). Invited Address. Family Environment and Children with Autism. American Psychological Association 2020 Convention, Division 33. ≈40 attendees
- Hartley, S.L. (2020, September). Talk. Alzheimer's Biomarker Consortium – Down syndrome. NIH Hosted ADRC-IDRC Collaborations Workshop. ≈89 attendees.
- Hartley, S.L. (2020, May). Talk. Lifestyle and Alzheimer's Disease in Down syndrome. NIH Hosted INCLUDE Workshop. ≈167 attendees.
- Hartley, S.L. (2019, November). Talk. Lifestyle Risk and Resiliency Factors and Alzheimer's Disease in Down syndrome. ISTAART and NIH hosted Alzheimer's and Down Syndrome Workshop.
- Hartley, S.L. (2018, October). Webinar: Alzheimer's Disease in Down Syndrome. Down syndrome: The Latest Research. Association of Wisconsin. ≈40 attendees.
- Hartley, S.L. (2018; April). Talk. *Aging and Alzheimer's Disease in Down syndrome*. Waisman Center Day with the Experts, Waisman Center, UW-Madison. ≈60 attendees and live streamed.
- Hartley, S.L. (2018; April). Round table discussion. Updates on research on autism and Down syndrome. Grandparent Coffee Group. Waisman Center, UW-Madison. ≈12 grandparents.
- Hartley, S.L. (2018; March). Talk. Down syndrome and Dementia. Rainbow Hospice Care 14th Annual End-of-Life Conference. Lake Geneva, WI. ≈60 attendees.
- Hartley, S.L. (2017; October). Talk. Family Dynamics and Autism. Vanderbilt University, Kennedy Center, Nashville, TN. ≈35 attendees.
- Hartley, S.L. (2016; June). Talk. *Alzheimer's Disease and Down syndrome*. Waisman Center Board of Visitors and invited guests. Waisman Center, UW-Madison. ≈30 attendees.
- Hartley, S.L. (2015, December). Talk. *Support Needs of Fathers and Mothers of Children and Adolescents with Autism Spectrum Disorder*. CYSHCN Collaborators Meeting. Department of Health Services, Wisconsin Division of Public Health CYSHCN Program. Madison, WI. ≈25 providers from Dane County.
- Hartley, S. L. (2014, September). Round table discussion. *Early Career Investigators and NIH funding*. Waisman Center, UW-Madison. Discussion with Mark Pocan, U.S. Representative.
- Hartley, S. L. (2014, June). Round table discussion. *Update on Family Context and Autism*. Grandparent Coffee Group. Waisman Center, UW-Madison. ≈9 grandparents.
- Hartley, S. L. (2014, January).Talk. *Division of labor in parents of children with autism*. Waisman Center Day with the Experts – Autism, Waisman Center, Madison, WI. ≈150 attendees and broadcast on Wisconsin Public television.
- Hartley, S. L. (2013, June). Round table discussion. *Family Context and Autism*. Grandparent Coffee Group. Waisman Center, UW-Madison. ≈12 grandparents.
- Hartley, S. L. (2012, November). Talk. *Marital quality in parents of children with autism*. Waisman Center Day with the Experts - Grandparent Day. Waisman Center, UW-Madison. ≈80 attendees.
- Hartley, S. L. (2011, November). Talk. *Natural history of Alzheimer's disorder*. Waisman Center Day with the Experts- Down Syndrome, Waisman Center, UW-Madison. ≈100 attendees.
- Hartley, S. L., & Smith, L. (2011, October). Talk. *Family dynamics and children with autism spectrum disorders*. Presentation at the Healthy Wisconsin Communities Conference, Stevens Point, WI. ≈15 attendees.
- Hartley, S. L. (2011, January).Talk. *Parents of adolescents and adults with developmental disabilities: Understanding impact on the marital relationship*. Parent and Caregiver Education (PACE), Epilepsy Foundation Southern Wisconsin, Madison, WI. ≈40 attendees.

Reviewer for Journals

American Journal of Geriatric Psychiatry; American Journal on Intellectual and Developmental Disabilities, Autism: The International Journal of Research and Practice, Journal of Autism and Developmental Disorders, Journal of Applied Research in Intellectual Disabilities, Journal of Clinical and Consulting Psychology, Journal of Intellectual Disability Research, Journal of Family Psychology, Family Relations, Journal of Mental Health Research in Intellectual Disabilities, Studies in Educational Evaluation, Professional Psychology: Research and Practice, and Psychological Assessment, Alzheimer's and Dementia: Diagnosis, Assessment, and Disease Monitoring, Frontiers – Neurology.

Reviewer for Grants

- National Institutes of Health (2019-2023)
- Alzheimer's Association (2021)
- Centers for Disease Control Prevention (2021,2022)
- Bureau of Maternal and Child Health (2018)
- Department of Defense (2019, 2021)
- University of Wisconsin-Madison and University of Wisconsin-Madison Office of the Vice Chancellor of Research and Graduate Education (2018, 2020) and Institute for Clinical and Translational Research (2017, 2018, 2019, 2020, 2023)

Reviewer Conference presentations

- Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities (2015-2021)
- American Psychological Association Division 33 (2015-2023)
- Alzheimer's Association International Conference (2021)
- International Society on Autism Research (2015-2020)

Other Professional Service:

2023	Mentor, NIH F31 application submitted (Fellow: Tori Fleming, Graduate Student, University of Wisconsin-Madison)
2023	Mentor, NIH K99/R00 application submitted (Fellow: Emily Schworer, Postdoctoral Fellow, University of Wisconsin-Madison)
2023-	Global Down syndrome Foundation, Alzheimer's disease Guideline Committee
2019 - current	Advisor, TRC-DS Research Study (PI: M. Rafii)
2019 - current	Advisor, LuMIND LIFE-DS Consortium (PI: J. Hendrix)
2019 – 2022	Consultant, National Alzheimer's Coordinating Center (PI: W. Kukull)
2022	Reviewed Tenure packet, Boston University
2021	Reviewed Tenure packet, The Ohio State University
2020	Reviewed Tenure packet, Drexel University
2020	Reviewed Tenure packet, Michigan State University
2019	Reviewed Tenure packet, The Ohio State University

University of Wisconsin-Madison

2022-	Graduate Faculty Executive Committee, member, Graduate School
2022-	Chair, Oversight Committee for Office of Postdoctoral Studies, Vice Chancellor of Graduate Education and Research Office
2021-	Diversity, Equity, and Diversity Committee, member, School of Human Ecology
2021-2022	Mentorship Committee, member, for Research Scientist Emily Hickey, Waisman Center
2021	Mentorship Committee, member, for Assist. Prof. Viji Easwar, Communication Sciences & Disorders
2021	Assistant Dean for Graduate Program Administration Hiring Committee, member, School of Human Ecology
2021-	Masters in Design and Innovation Planning Committee, member, School of Human Ecology
2021-	Mentorship Committee, member, for Assist. Prof. Yiwei Zhang, School of Human Ecology

2020-	Oversight Committee for Office of Postdoctoral Studies, member, Vice Chancellor of Graduate Education and Research Office
2019-	SoHE Director of Graduate Program, School of Human Ecology
2019-	Mentorship Committee, member, for Assist. Prof Karla Ausderau, Kinesiology
2015-	Job sharing Associate Dean of Graduate Education and Faculty Affairs position, School of Human Ecology (Assoc. Dean Flanagan is on sabbatical)
2018-2019	Waisman Center, Associate Director of Training
2018-	Waisman Center Executive Committee, member
2018 -	Promotion Review Committee, member, for Prof. Carolyn Kallenborn
2018	Promotion and Tenure Review Task Force, member, School of Human Ecology
2017-2018	Endowed Chair Review Committee, member, School of Human Ecology
2017-2018	Thiele Fellowship and Pathways to Excellence in Teaching Committee, chair, School of Human Ecology
	OneSoHE Task Force, Chair, School of Human Ecology
2015-2018	HDFS Graduate Program Committee, Chair, HDFS, School of Human Ecology
2015-2018	School of Human Ecology, Graduate Program Council, Chair, School of Human Ecology
2015	P-FAR Ad-Hoc Committee, member, School of Human Ecology
2014-present	National Council on Family Relations (NCFR) Department contact for Family Life Educator credential, HDFS, School of Human Ecology
2014-2015	Dean's Summer Funds for Excellence Committee member, School of Human Ecology
2014	School Graduate Program Council, member, School of Human Ecology
2014	Faculty Associate and Career Advisor search Committee member, HDFS, School of Human Ecology
2014	Endowed Chair Search Committee member, HDFS, School of Human Ecology
2012	Equity and Diversity Committee member, Waisman Center
2012	Psychologist Search Committee member, Waisman Center
2011-2013	Faculty Senate Representative, School of Human Ecology
2011-2012	Faculty Merit Committee member, HDFS, School of Human Ecology
2011	Accelerated Curriculum Committee member, HDFS, School of Human Ecology
2010-present	Faculty member, National Institute of Child Health and Development (NICHD) Postdoctoral Training Program, Waisman Center
2010-2017	Access and Accommodation Resource Coordinator, School of Human Ecology
2010- 2015	HDFS Graduate Program Committee member, HDFS, School of Human Ecology
2010-2011	Autism and Developmental Disabilities consultant, Waisman Center
2010-2011	Faculty/Staff Diversity, Equality, and Environment Committee member, School of Human Ecology
2010-2011	Time Capsule Committee member, School of Human Ecology
2010-2011	Adhoc Cohort Learning Committee member, School of Human Ecology